

इंटरनेट

मानक

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IS 12886 (1990): Heart cam for jute spinning frame [TXD 14: Machinery for Fabric Manufacture]



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Bhartrihari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS 12886 : 1990

(Reaffirmed 2002)

Indian Standard

HEART CAM FOR JUTE SPINNING FRAME—SPECIFICATION

भारतीय मानक

जूट कताई फ्रेमों के लिए हार्ट कैम — विशिष्ट

UDC 677·052·983 : 677·13

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

September 1990

Price Group 1

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards on 26 February 1990 after the draft finalized by the Jute Mills Machinery/Accessories and Spare Parts Sectional Committee had been approved by the Textile Division Council.

This standard is intended to provide guidance to the manufacturers of heart cams for jute spinning frames. This would ensure the manufacture of heart cams of acceptable quality leading to improvement in efficiency and productivity of spinning frames.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS : 2-1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

HEART CAM FOR JUTE SPINNING FRAME—SPECIFICATION

1 SCOPE

1.1 This standard specifies requirements for heart cams for jute spinning frame.

2 REFERENCES

2.1 The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
1586 : 1968	Methods for Rockwell hardness test (B and C scales) for steel (<i>first revision</i>)
2062 : 1984	Specification for weldable structural steel (<i>third revision</i>)
2500 (Part 1) : 1973	Sampling inspection tables: Part 1 Inspection by count of defects (<i>first revision</i>)

3 MATERIAL

3.1 The heart cam shall be manufactured from 14.3 mm thick mild steel plates and the steel shall conform to IS 2062 : 1984.

4 MANUFACTURE

4.1 The heart cam shall be case hardened to a case depth of 1 mm. The heart cam shall be symmetrical about the vertical central line (*see Fig. 1*).

5 REQUIREMENTS

5.1 Dimensions

The dimensions of the heart cam shall be as agreed to between the manufacturer and the purchaser or in the absence of any agreement the nominal dimensions shall be as declared by the manufacturer.

5.1.1 Tolerances

The nominal dimensions of the heart cam (*see Fig. 1*) shall be subjected to the following tolerances:

<i>Dimensions</i>	<i>Tolerance (in mm)</i>
<i>A</i>	± 0.13
<i>B</i>	± 0.05
<i>C</i>	± 0.05
<i>D</i>	± 0.13

5.2 Hardness

5.2.1 The heart cam shall have hardness of minimum 55 HRC.

5.2.2 Hardness shall be determined according to the method prescribed in IS 1586 : 1968.

6 MARKING

6.1 Each heart cam shall be legibly marked with the indication of the source of manufacture.

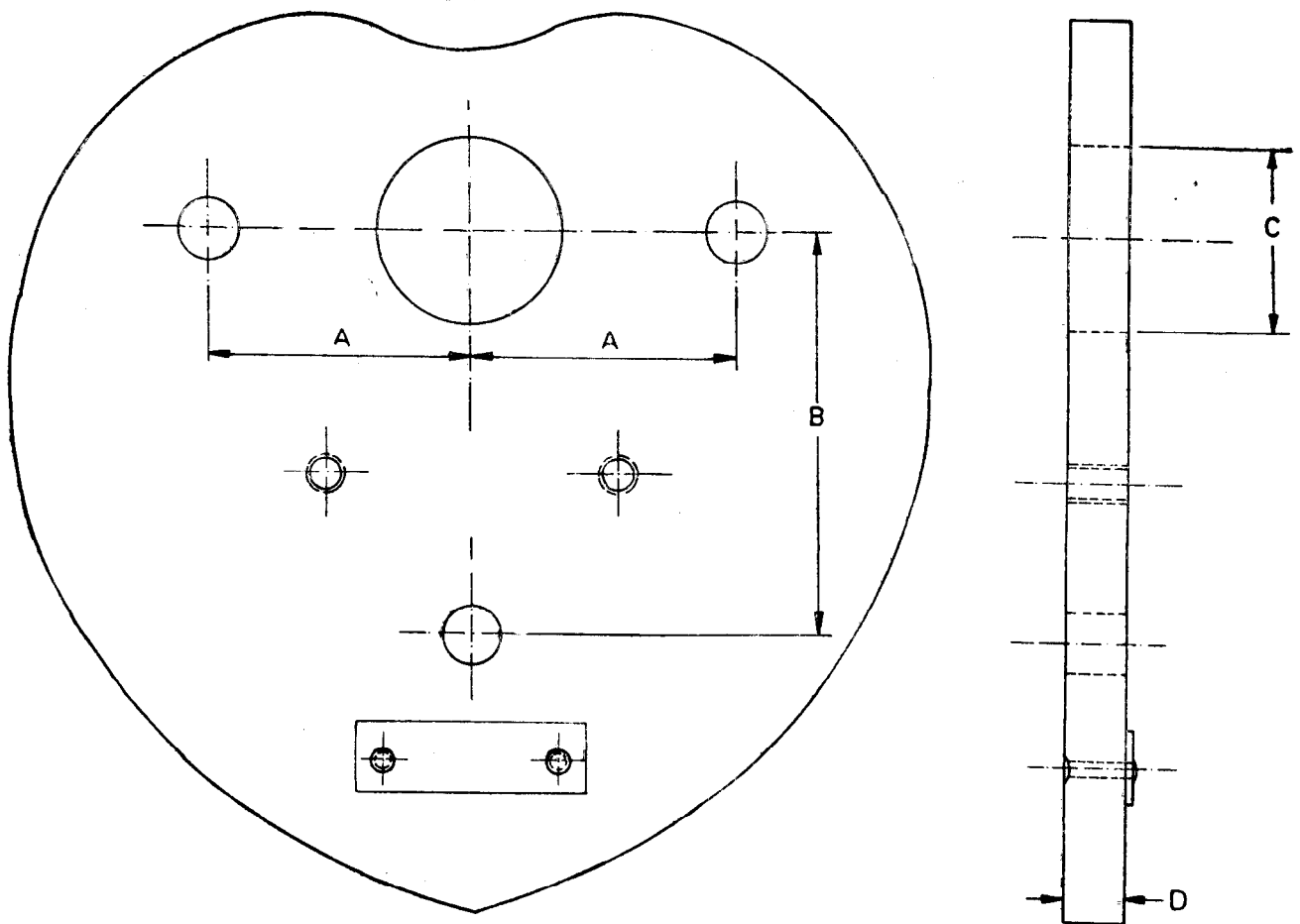
6.1.1 The heart cam may also be marked with the Standard Mark.

7 PACKING

7.1 The heart cams shall be packed to ensure complete protection from rust.

8 SAMPLING AND CRITERIA FOR CONFORMITY

8.1 To ascertain the conformity of the heart cam for jute spinning frame to the requirements of this specification, single sampling plan with Inspection Level I and Acceptance Quality Level (AQL) of 1.5 percent given in Tables 1 and 2 of IS 2500 (Part 1) : 1973 shall be followed, unless otherwise agreed to between the purchaser the manufacturer.



All dimensions in millimetres.

FIG. 1 HEART CAM FOR JUTE SPINNING FRAME

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all Offices)

Regional Offices:

Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	{ 331 01 31 331 13 75
Eastern : 1/14 C.I.T. Scheme VII M, V.I.P. Road, Maniktola CALCUTTA 700054	37 86 62
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